

1/7

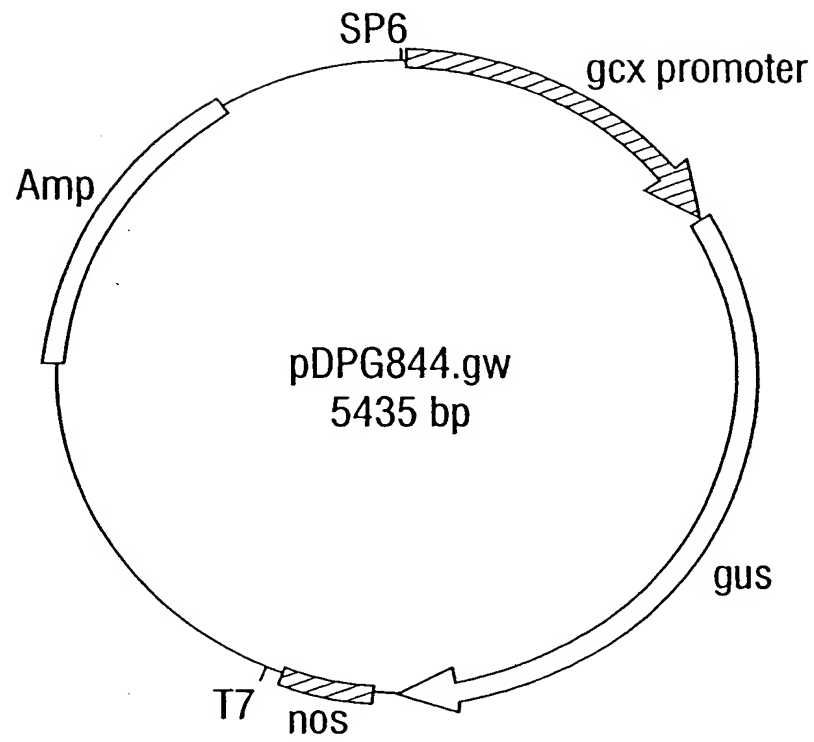


FIG. 1

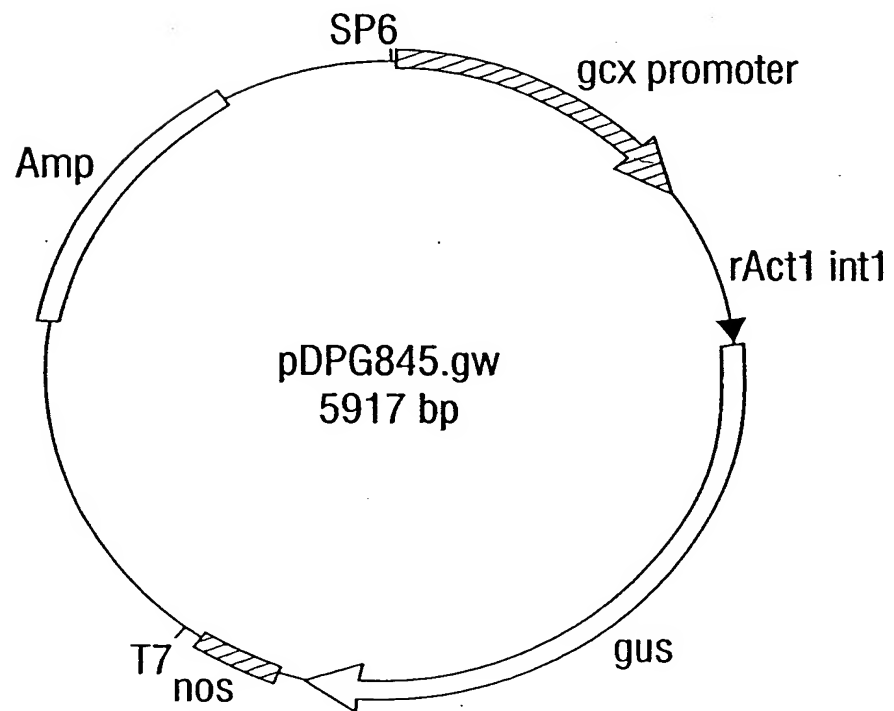


FIG. 2

2/7

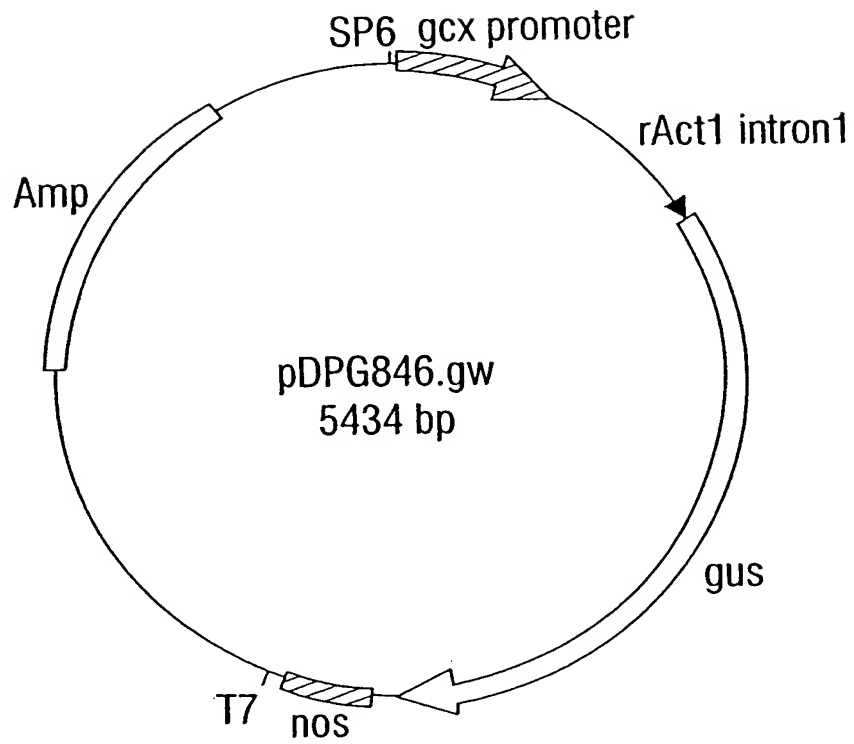


FIG. 3

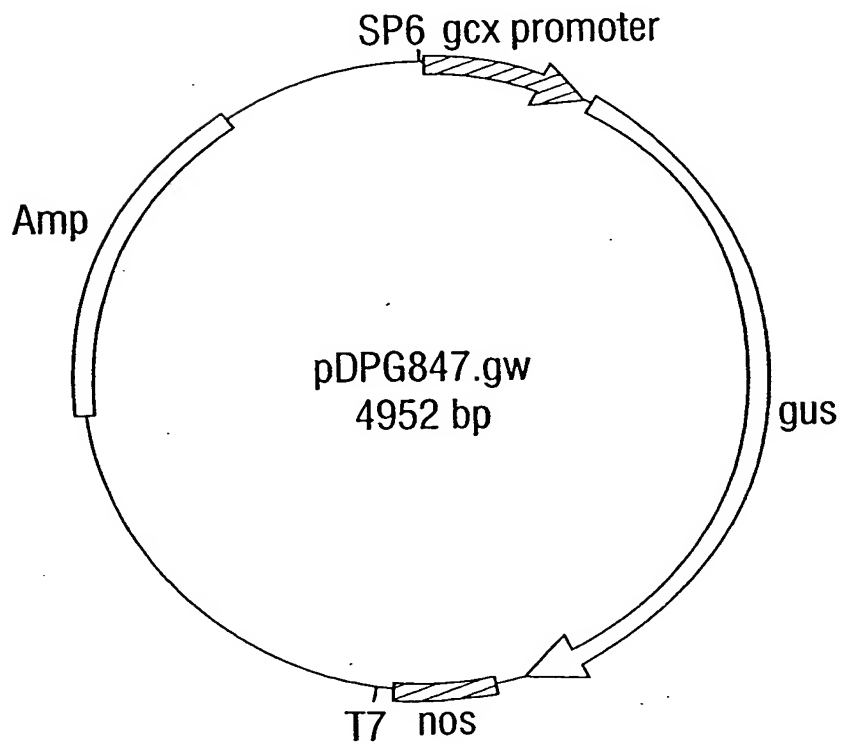


FIG. 4

3/7

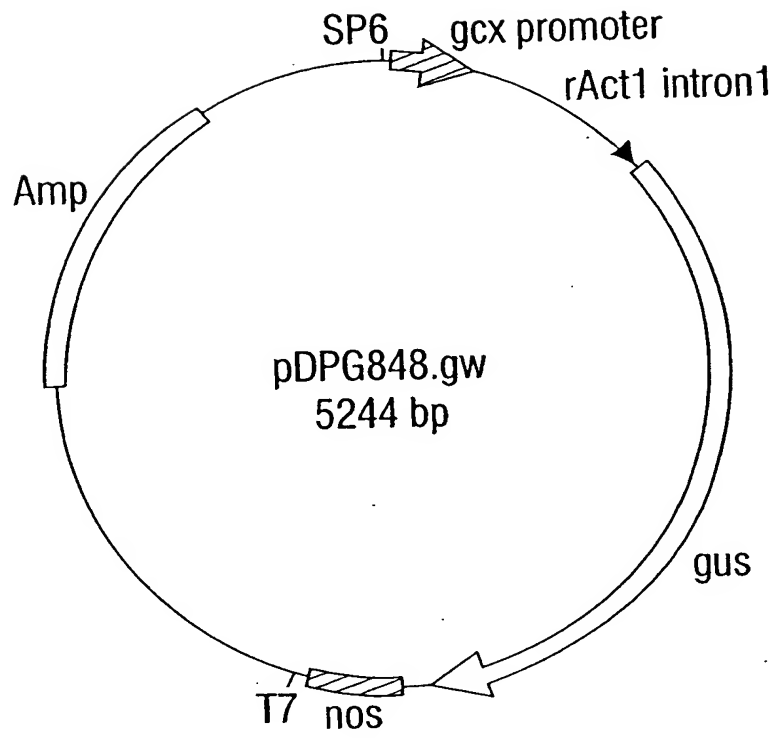


FIG. 5

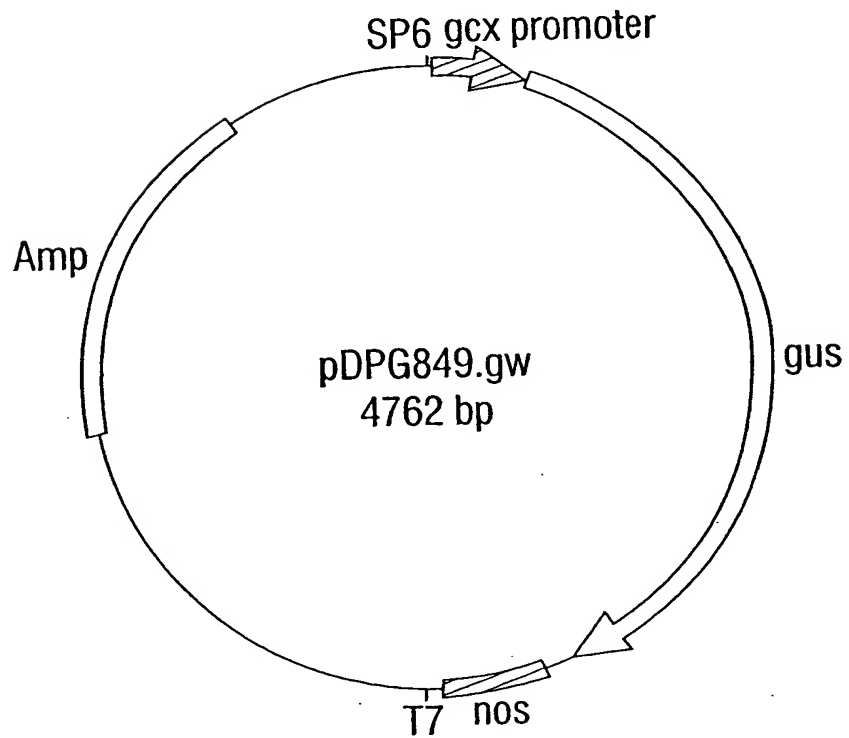


FIG. 6

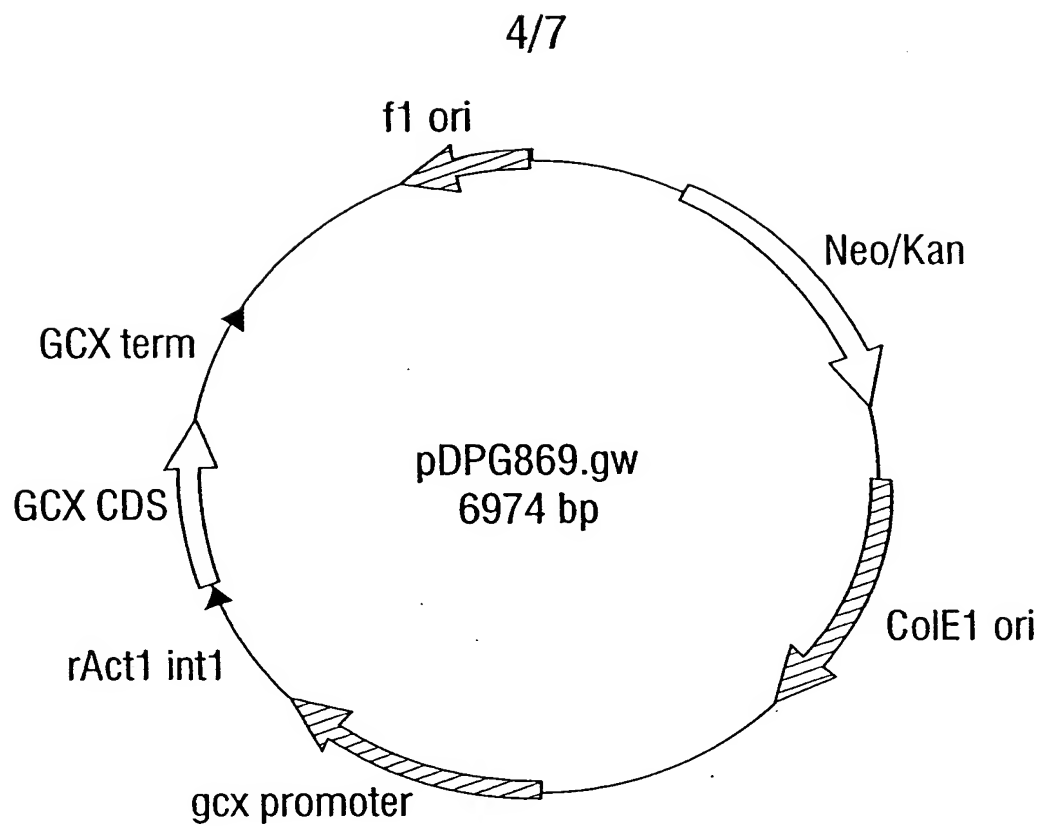


FIG. 7

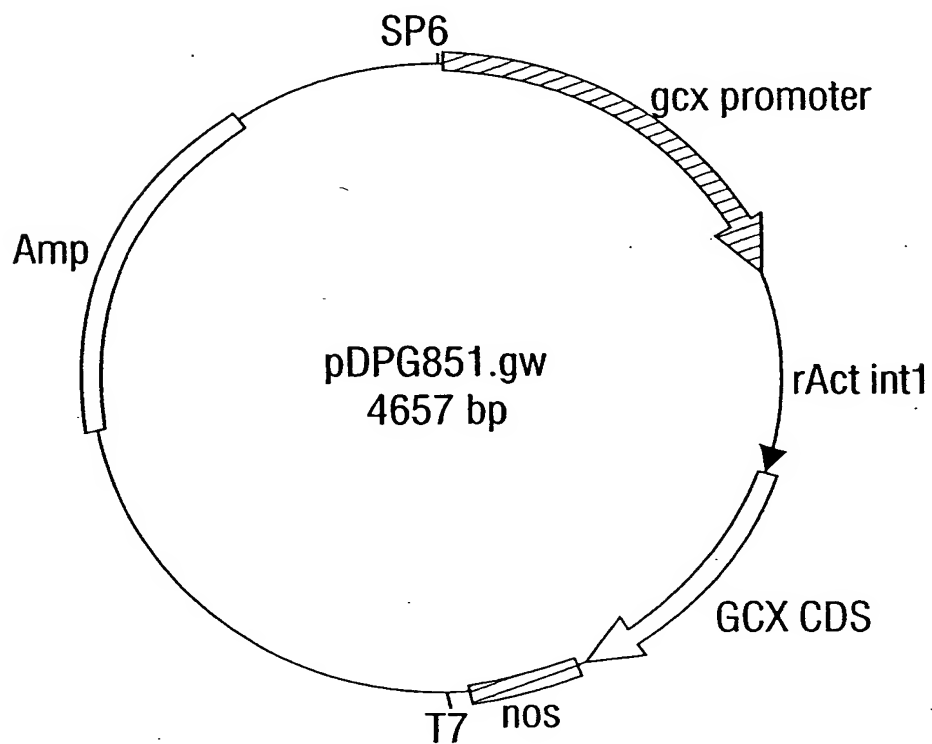


FIG. 9

gamma zein	-----	
gamma coixin	-----	
gamma kafirin	GATTTGGGTAAAGAACAGTAGTCGGACATTCCACGCTTTGTAAAGTTCTT	50
gamma zein	-----ATATATATATACATATATATATA	23
gamma coixin	-----G	1
gamma kafirin	TTTTTACATAACAAGAATAGAATCACGCTCTGTAGGCTCGT-CAGAC-CG	98
gamma zein	TATATATATATAAACCGTAGCAATGCACGGGCATATAACTAGTGC-AACT	72
gamma coixin	GACCGGT-TACAGCACACCACTGTGGGTGGTCTCA-AGGCAGTACCAAAC	49
gamma kafirin	TACCTTT-CTAAGGAAGTCGCTTTGGGTAGT-TCA---GTTG-GCGAGA-	141
gamma zein	TAATACATGTGTGTATTAAGATGAATAAGAGGGT-ATCCA-AATAAAAAA	120
gamma coixin	TATAGCATCCATATAGCAGCAGAATCACCTGTCTTGTCTACAAGACAGAA	99
gamma kafirin	-AAAGCCTTCCATACCTTTGCAGGTCCATCGGGC-CGACTAC-----AA	182
gamma zein	CTTGTTGCTTACGTCTGGATCAAATTGGGTTGGAAACGATTAAATCTCT	170
gamma coixin	CCAAT--GCAT-CAACT---TCAA--GGGAGTACCAGGCTCTTCTTGAAT	141
gamma kafirin	CCCGT--GGCT-CAA-----TC-----CC-G-G--TTCTTG-CG	208
gamma zein	TCCTAGTCAAAATTTGAATAGAAGGAGATTTAATCTCTCCCAATCCCCTTC	220
gamma coixin	GTCT-TTCAGAAATTTGTG-GCATTCTTGTGGAAAGCATAGCAGTGTAGGTT	189
gamma kafirin	GTGT-CT-----TGGCA-ACATTCTTGTGGAAAG-ATACCA--GAAGGTT	248
gamma zein	GATCATCCAGGTGCAACCGT-ATAAGT-CCTAAAGTGGTGAGGAACACGA	268
gamma coixin	GCTCATTACGGGATAATCTCGACAC---GTAAAGTGATGAGGAATACGG	235
gamma kafirin	GCTC--CACGGGTAATCTTGACACGTATGTAAAGTGATGAGGAACATTG	295
gamma zein	AACAACCATGCATTGGCATGTAAAGCTCCAAGAATTGTGTATCO-T-T	316
gamma coixin	AACGAC----CATTGGCATGTAGAGCTGTATGAATTGGTGTATCCATAC	281
gamma kafirin	AACGAA----CATTGGCATGTA-AGCTCTAT-AATTGGTGTATCOAT--	337
gamma zein	AACAAC-TGACAGAACATCAACCAAAATTGCACGTCAAGGGATTGGGTGA	365
gamma coixin	AACAAC-TGCGAGAACATCA--CAAAATTGCACGTCAATGG-ATTGGGTC	327
gamma kafirin	AACAACGTGCGAGAACATCA--C-AAATTGCACGTCAAGGG-ATTGGGTC	383
gamma zein	AGAAACAATCAAAACAAATCCTCTCTGTGTGCAAAGAAAC-ACGGTGAGTC	414
gamma coixin	AGAAACAATCGTCTCCTTGTAGCT-TGTACAATGAAGTGATGGTGAGTC	376
gamma kafirin	AGAAACAATCGTCTCC-----G---TGTAACAAGGAG---TGGTGAGTC	422
gamma zein	ATG-CCGAGATCATACTCATCTGATATACATGCT-TACAGCTCACAAAG--	460
gamma coixin	ATGAGTCACACTGATCCGATCTGATATATATGCCAAATAGCTCACACGAC	426
gamma kafirin	ATGAGCCA---TG--TTGATCTGATATATA---C--ATAGCACACACGAC	462

FIG. 8-1

gamma zein	-ACATTACAAACAAC-TCATA-T-TGCATTACAAAGATCGTTTCA---T	502
gamma coixin	AACATTACAAACAACCCATACTATACATCACAAAGTTTGTTCAC---T	472
gamma kafirin	A---TCACAAACAA-GTCATAC--TACATTACAGAGTTAGTTTCACCTTT	506
gamma zein	---G-AAAAATAAATAGGCC---GGACAGGACAAAAATC---CTTGAC	541
gamma coixin	---GAAAAACAAATAAGTATGCAGGAGGGGACAATAATCCTTGCTTGAC	519
gamma kafirin	CAAGTAAAAACAAAGTAGGCCGGA-GAGAGGACAATAATC---CTTGAC	551
gamma zein	GAGTAAAGTAAATTTACAA--CAAAAAAAGCCATATGT-----CAA	582
gamma coixin	GCGTAAAGTGAATTTACAAAGCCATATATCAACCTATATCTAATTAATAA	569
gamma kafirin	GTGTAAAGTGAATTTACAAAGCCATATATCAATTTATATCTAATT-----	596
gamma zein	GCTAAATCTA-ATTGTTTTACGTAGATCAACA----ACCTGTAGAAGG	626
gamma coixin	GTTGTTTATATATAAGCAGCATGATCATCAACAACCGTACCTGTGAAAGG	619
gamma kafirin	---CGTT---T-CATGTA---GAT-ATCAACA----ACCTGTAAAAGG	629
gamma zein	CAACAAAACGTAGCCACGCAGAAGTACAGAAATGATTCCAGATGA-----	670
gamma coixin	CAACAAAATGAGCCACGCAGAAATGAGAAATGAAATCCATATGATGACGA	668
gamma kafirin	CAACAAAT-TGAGCCACGCAGAAATTAACA-AGTGAGTCCA-A--AT----A	670
gamma zein	---ACCATCGACGTGCTACGTAAA-GAGAGTGAAGAGTCATATACATTTT	715
gamma coixin	ACGTACACTCGGCTTGCTACAT-AAAGTGAATGATGAGTCATAAATATTTT	717
gamma kafirin	A---ACCTC-AGATGCTACATAAAAGTGAATGATGAGTCATGTATATCT	716
gamma zein	GGCAAGAAACCATGAA-GCTGCTACAGCCGTC-TCGGTGGCATAGGAAAC	763
gamma coixin	GGCAAGAAACCGTGAAAGCTAC--ACAGCCGTCGTCAGTAGCACAGGAAAC	765
gamma kafirin	GGCAAGAAACTGTAGAAGCTAC--A-----GTCATCGGTAGCAAAGAAAC	759
gamma zein	ACAAGAAATTTGTGTTAATTAATCAAAGCTATAAATAACCTCGATGCCT	813
gamma coixin	ACAAGAAACTGTGC---TAATCGAAGCTATAAATAACCTAGTATGCCT	811
gamma kafirin	ACAAGAAATGTGC---TAATAAAGCTATAAATAACCTCGTACGCCT	805
gamma zein	GTGGACTTCTCCATCACCACCACTGG--GTC-TTCAGACCATTAGCTT--	858
gamma coixin	ATGCACITCTCCATCACCACCACTCAT-ATC-TTCAGTCTATTACCT-T	858
gamma kafirin	ATGCACATCTCCATCACCACCACTGGTCTTCATTTCAGTCTATTAACTTAT	855
gamma zein	---TATCTACTCCAGAGCGCAGAAAGAACCCGATCGACACCATG	898
gamma coixin	CTCTATCTACTCCAGAGAGCAGAA---GATCGACACCATG	897
gamma kafirin	ATCTATCTACTCCAGAGCAGAAAG---ACTCGACACCATG	894

FIG. 8-2

7/7

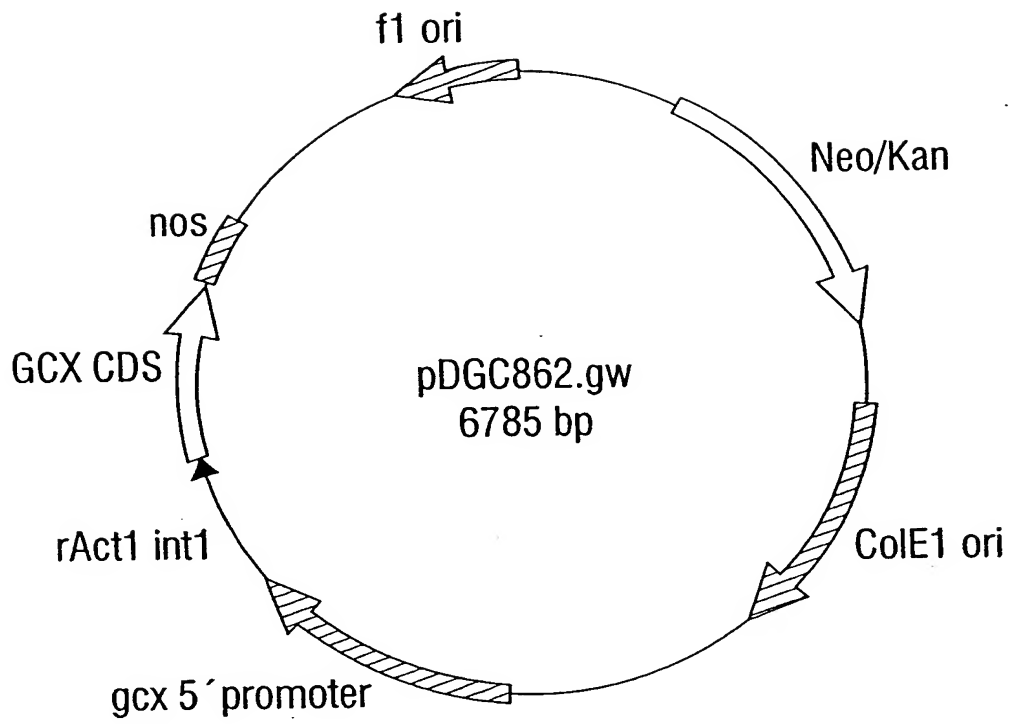


FIG. 10

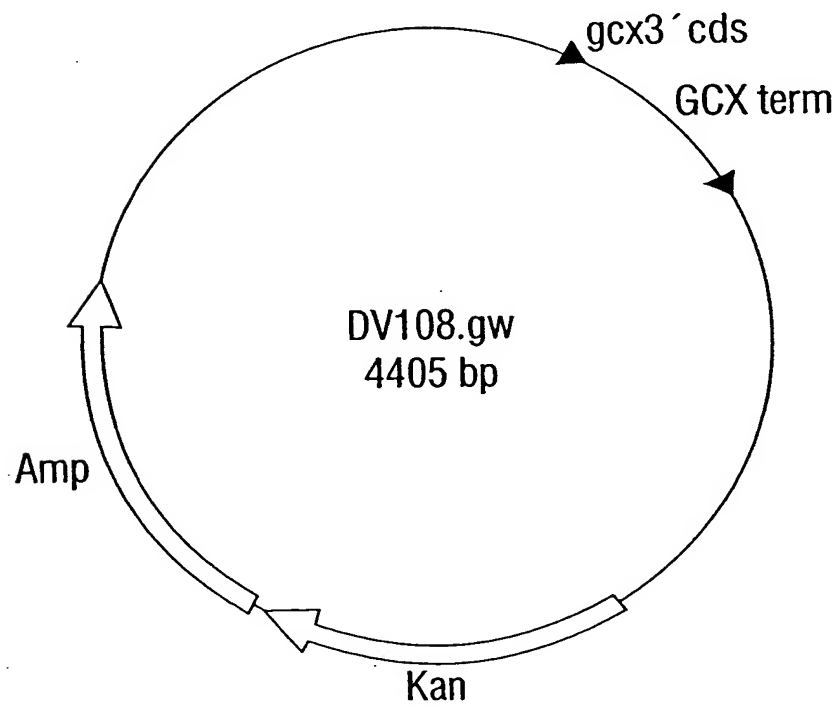


FIG. 11